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2	3	360/324.2.ccls. and "metal oxide layer"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/08 15:24
3	1	"5390061".PN.	USPAT	2003/02/08 12:49
4	11	("2683856" "3813692" "4103315" "4825325" "4894741" "4896235" "4940511" "5014147" "5134533" "5159513" "5206590").PN.	USPAT	2003/02/08 12:50
5	33	360/324.2.ccls. and "oxide layer"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/08 13:08
6	14	("3972035" "5390061" "5416353" "5629922" "5636093" "5650958" "5668688" "5691865" "5695864" "5712612" "5726837" "5729410" "5747859" "5764567").PN.	USPAT	2003/02/08 13:16
7	119	360/324.2.ccls. and "oxide"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/08 14:14
8	17	("5390061" "5636093" "5726837" "5729410" "5859753" "5966012" "5986858" "6011674" "6061210" "6072382" "6078484" "6097579" "6124711" "6127045" "6178074" "6185079" "6295718").PN.	USPAT	2003/02/08 13:45
9	10	360/324.ccls. and ("oxide" and "tunnel")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/08 14:25
10	18	360/324.1.ccls. and ("oxide" and "tunnel")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/08 14:30
11	13	360/324.11.ccls. and ("oxide" and "tunnel")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/08 14:54
12	1	"5898548".PN.	USPAT	2003/02/08 14:34
13	2	5729410.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/08 14:54
14	2	5390061.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/08 14:57
15	43	360/\$.ccls. and ("metal oxide" and "tunnel")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/08 15:04

16	3251	"metal oxide" and "tunnel"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/08 15:27
17	218	("metal oxide" and "tunnel") and "tunnel junction"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/08 15:05
18	18	360/324.2.ccls. and "metal oxide"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/08 15:24
19	218	"metal oxide" and "tunnel junction"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/08 15:53
20	22	"metal oxide" same "gap layer"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/08 16:15
21	2	5898548.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/08 16:16

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metal/insulator/metal tunnel junction***Fujimaru, K.; Sasajima, R.; Matsumura, H.;*

Device Research Conference Digest, 1998.

56th Annual , 22-24 Jun 1998

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[\[Abstract\]](#) [\[PDF Full-Text \(332 KB\)\]](#) **IEEE
CNF****2 Focused ion beam process for a
formation of metal/insulator/metal
double tunnel junctions***Nakayama, M.; Yanagisawa, J.; Wakaya, F.;**Gamo, K.;*

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Conference, 1999. Digest of Papers.

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[\[Abstract\]](#) [\[PDF Full-Text \(272 KB\)\]](#) **IEEE
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**3 Device applications of reactive ion
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Hebard, A.; Eick, R.;

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1 The optimum oxidation state of AlO_x magnetic tunnel junctions

Gillies, M.F.; Oepts, W.; Kuiper, A.E.T.; Coehoorn, R.; Tamminga, Y.; Snijders, J.H.M.; Bik, W.M.A.;

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[\[Abstract\]](#) [\[PDF Full-Text \(288 KB\)\]](#) **IEEE JRN**

2 In-situ characterization of oxide growth for fabricating spin-dependent tunnel junctions

Wee, A.T.A.; Wang, S.X.; Kyusik Sin;

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3 Low resistance spin-dependent tunneling junctions with naturally oxidized tunneling barrier

Sin, K.; Mao, M.; Chien, C.; Funada, S.;

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4 Tunnel barrier properties of stressed ferromagnetic tunnel junctions

Das, J.; Degraeve, R.; Boeve, H.; Lagae, L.;

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5 Thin film superconductive devices

Moore, D.F.;

High Temperature Superconductors in

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**6 Fabrication of single electron memory
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*Matsumoto, K.; Gotoh, Y.; Shirakashi, J.;
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*Shirakashi, J.-I.; Matsumoto, K.; Miura, N.;
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10 Characterization of different types of Nb-AlO_x based Josephson tunnel junctions

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11 Effect of growth conditions on the electrical properties of Nb/Al-oxide/Nb tunnel junctions

Mallison, W.H.; Miller, R.E.; Kleinsasser, A.W.;

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12 Dependence of critical current density on oxygen exposure in Nb-AlO_x-Nb tunnel junctions

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Kleinsasser, A.W.; Miller, R.E.; Mallison, W.H.;

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*Cardoso, S.; Gehanno, V.; Ferreira, R.;
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**15 Magnetoresistance of
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*Nakashio, E.; Sugawara, J.; Onoe, S.;
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*Ho, M.K.; Tsang, C.H.; Fontana, R.E., Jr.;
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Dang, H.; Radparvar, M.;

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40 Electron tunneling into 1-2-3 HTSC thin films

Geerk, J.; Wang, R.-L.; Li, H.-C.; Linker, G.; Meyer, O.; Ratzel, F.; Smithey, R.; Keschtkar, H.;

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41 Fabrication process for Josephson computer ETL-JC1 using Nb tunnel junctions

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[\[Abstract\]](#) [\[PDF Full-Text \(696 KB\)\]](#) **IEEE JRN**

42 An integrated superconducting sub-mm wave receiver for linewidth measurements of Josephson flux-flow oscillators

Zhang, Y.M.; Winkler, D.;

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43 Nb/AlN/Nb Josephson junctions with high critical current density

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44 Nonlithographic nano-wire arrays: fabrication, physics, and device applications

Routkevitch, D.; Tager, A.A.; Haruyama, J.; Almawlawi, D.; Moskovits, M.; Xu, J.M.;

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45 Superconductor electronics, 1986-1996

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46 Study of DC plasma oxidized Al_2O_3 barriers in spin dependent tunneling junctions using high resolution transmission electron microscopy

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47 Dependence of tunneling magnetoresistance on CoFe interfacial layer thickness in $\text{NiFe}/\text{Al}_2\text{O}_3/\text{NiFe}$ tunnel junctions

Park, B.G.; Lee, T.D.;

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117 An improved NbN integrated circuit process featuring thick NbN ground plane and lower parasitic circuit inductances

Kerber, G.L.; Abelson, L.A.; Elmadjian, R.N.; Hanaya, G.; Ladizinsky, E.G.;

Applied Superconductivity, IEEE

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**118 Quasi-optical SIS mixers with
normal metal tuning structures**

*Mei Bin; Gaidis, M.C.; Zmuidzinas, J.;
Phillips, T.G.; LeDuc, H.G.;*

Applied Superconductivity, IEEE

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**119 Niobium tunnel junctions with
multi-layered electrodes**

*Dmitiriev, P.N.; Ermakov, A.B.; Kovalenko,
A.G.; Koshelets, V.P.; Iosad, N.N.; Golubov,
A.A.; Kupriyanov, M.Yu.;*

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**120 Design and fabrication of
Cherenkov flux-flow oscillator**

Baryshev, A.M.; Yulin, A.V.; Kurin, V.V.;

Koshelets, V.P.; Shitov, S.V.; Shchukin, A.V.; Dmitriev, P.N.; Filippenko, L.V.;
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**121 Three-terminal silicon surface
junction tunneling device for room
temperature operation**

Koga, J.; Toriumi, A.;
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**122 Effects of interface oxidization in
ferromagnetic tunnel junctions**

Sato, M.; Kikuchi, H.; Kobayashi, K.;
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35 Issue: 5 , Sep 1999
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**123 Microwave emission due to
anisotropic quasiparticle injection into
an $\text{ErBa}_2\text{Cu}_3\text{O}_y$ superconductor**

Lee, K.; Kume, E.; Yamaguchi, H.; Arie, H.;

Wang, W.; Iguchi, I.;
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124 **Demonstrating a tunneling
magneto-resistive read head**

Song, D.; Nowak, J.; Larson, R.; Kolbo, P.;
Chellew, R.;
Magnetics, IEEE Transactions on , Volume:
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[\[Abstract\]](#) [\[PDF Full-Text \(80 KB\)\]](#) **IEEE**
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125 **Fabrication of ultrasmall tunnel
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Born, D.; Wagner, T.; Krech, W.; Hubner,
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Hadfield, R.H.; Inglessi, E.; Booij, W.E.;
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1 Low resistance spin-dependent tunneling junctions with naturally oxidized tunneling barrier

Sin, K.; Mao, M.; Chien, C.; Funada, S.; Miloslavsky, L.; Tong, H.-C.; Gupta, S.;

Magnetics, IEEE Transactions on , Volume: 36 Issue: 5 , Sep 2000

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2 Spin-valve-like properties and annealing effect in ferromagnetic tunnel junctions

Sato, M.; Kobayashi, K.;

Magnetics, IEEE Transactions on , Volume:

33 Issue: 5 , Sep 1997

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3 Low-resistance tunnel magnetoresistive head

Ohashi, K.; Hayashi, K.; Nagahara, K.; Ishihara, K.; Fukami, E.; Fujikata, J.; Mori, S.; Nakada, M.; Mitsuzuka, T.; Matsuda, K.; Mori, H.; Kamijo, A.; Tsuge, H.;

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4 Demonstrating a tunneling magneto-resistive read head

Song, D.; Nowak, J.; Larson, R.; Kolbo, P.; Chellew, R.;

Magnetics, IEEE Transactions on , Volume:

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[\[Abstract\]](#) [\[PDF Full-Text \(80 KB\)\]](#) **IEEE JRN**

5 Magnetoresistance of

Co_{100-x}Fe_x/Al-oxide/Co_{100-x}Fe_x tunnel junctions

Nakashio, E.; Sugawara, J.; Onoe, S.; Kumagai, S.;

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**6 Study of magnetic tunnel junction
read sensors**

*Ho, M.K.; Tsang, C.H.; Fontana, R.E., Jr.;
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